

Leadership Resume

EDUCATION

Doctorate of Philosophy in Electrical Engineering

May 2015

(Expected)

Emphasis: Delay Tolerant Networking, Wireless Networks and Cyber Physical Systems

GPA: 3.51/4.00

University of Florida, Gainesville, FL

Masters of Science in Electrical Engineering

May

2012

Emphasis: Wireless Systems and Controls

University of Florida, Gainesville, FL

Masters of Science in Electrical Engineering

June

2010

Emphasis: Control Systems

California State University Los Angeles, Los Angeles, CA

Bachelor of Science in Computer Engineering *May 2008*

Minor: Mathematics

San Jose State University, San Jose, CA

NSBE LEADERSHIP

National Treasurer

May 2012 – Present

- Managed the budget and protected the integrity of the entire society (~\$10m operationally, ~\$12m in reserves)
- Restructured and introduced new sustainable financial models

- Strategically placed funds in areas that supported the mission of the organization.
- Managed the National Finance Zone
- Chaired the Convention Planning Committee Task Force (CPC Task Force)
- Chaired the Funds Management Committee

Region Six Chairperson Emeritus and Parliamentarian

May 2009 – April 2010

- Advised the Region Six administrative and finance zone.
- Facilitated Region Six meetings

CAMS NSBE Jr. Chapter Co-Advisor

May 2009 –

April 2010

- Organized meetings for NSBE Jr. Students
- Helped prepare students for the SAT/ACT
- Assisted students in their college applications
- Assisted students in robot building and solar panel car design

Region Six Chairperson

May 2008 – April 2009

- Served on the National Executive Board responsible for key organization decisions.
- Managed 20 Executive Board Members across the west coast.
- Served as the liaison for Region Six members to the Regional and National Executive Board

Region Six Treasurer

May 2007 – April 2008

- Managed \$125,000.00 Regional Budget to facilitate three conferences.

- Advised Region Six Chapter Treasurers

SJSU Chapter Telecommunications Chairperson

May 2005 – April 2008

- Created and managed the chapter website
- Managed the communications zone

SJSU Chapter PCI Chairperson

May 2006 – April 2007

- Organized meetings and programs for high school students
- Advised/mentored high school students about college
- Chaperoned students to conferences

SJSU Chapter Historian

May 2004 – April 2005

- Photographer during meetings and programs
- Kept track of accomplishments of the chapter during the year

SJSU Chapter Senator

May 2004 – April 2005

- Listened to National and Regional candidates platforms and voted for candidates on behalf of my chapter

NSBE LEADERSHIP Training

- National Leadership Institute (2013)
- National Leadership Institute (2012)
- Region Six Transition Meeting (2009)
- National Leadership Institute (2008)
- National Executive Board Transition Meeting (2008)
- National Leadership Institute (2007)

- Region Six Transition Meeting (2008)
- Region Six Transition Meeting (2007)
- Region Six Transition Meeting (2006)

WORK EXPERIENCE

Intel, Santa Clara, CA

October 2012 – January 2013

RF Architecture Intern

- Conducted research on Bluetooth 4.0 RSSI proximity detection and implementation.

Intel, Hillsboro, OR

May 2012 – August 2012

Graduate Intern

- Part of the Intel Collaborators program. Helped manage and program a team that enabled one button touch gaming on wireless displays using C, C++, and C#. Also conducted research on Bluetooth 4.0 RSSI proximity detection.

Intel, Santa Clara, CA

June 2010 – August 2010

Software Engineering Graduate Intern

- Wrote code in an Intel proprietary language for Intel graphic cards to test cards performance and identify bugs in the compiler.

Hewlett Packard, Cupertino, CA

February 2007 – August 2008

Software Engineering Intern

- Wrote test automation code using VB Script for HP Itanium Servers. Scripts tested HP's Software Management Software and made sure servers were reporting accurate system information.

RESEARCH EXPERIENCE

University of Florida, Wireless and Mobile Systems Laboratory,
Gainesville FL *August 2010 – Present*

Conducted research under Dr. Janise McNair in Wireless Networks in the area of Cyber Physical Systems. Investigating socially aware delay tolerant networking using short-range communications such as Bluetooth.

University of Southern California, Brain and Body Dynamics Lab, Los Angeles CA *February 2009 – May 2010*

Thesis: Design and Implementation of a Non-Linear Dynamical System Replicating Spring Buckling Behavior

Conducted research under Dr. Francisco Valero-Cuevas to use a linear motor in place of a spring to replicate the edge of instability using the duffing equation. The device can be used to measure the strength and dexterity of a patient's hand and how much vision factors in when dexterity deteriorates.

HONORS & ACHIEVEMENTS

- Intel Scholar/The National GEM Consortium Fellow, PhD (2010–present)
- NSF LSAMP Bridges to the Doctorate Fellow (2008–2010)
- Hewlett Packard Scholar (2004–2008)
- NSBE Silicon Valley Chapter Scholarship (2008)
- NSBE Chapter Executive Board Member of the year (2005–2006)